CHICAGO
Electric® Power Tools
19.2V 2-SPEED DRILL
Model 65756
SET UP AND OPERATING INSTRUCTIONS

Distributed exclusively by Harbor Freight Tools®.
3491 Mission Oaks Blvd., Camarillo, CA 93011
Visit our website at: http://www.harborfreight.com

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

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For technical questions or replacement parts, please call 1-800-444-3353.

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

IMPORTANT SAFETY INFORMATION

In this manual, on the labeling, and all other information provided with this product:

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠DANGER **DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.**

⚠WARNING **WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.**

⚠CAUTION **CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.**

NOTICE **NOTICE is used to address practices not related to personal injury.**

CAUTION **CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.**

General Power Tool Safety Warnings

WARNING Read all safety warnings and instructions. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.* **Save all warnings and instructions for future reference.** *The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.*

1. **Work area safety**
   a. **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
   b. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
   c. **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*
2. **Electrical safety**
   a. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter**

plugs with grounded power tools. *Unmodified plugs and matching outlets will reduce risk of electric shock.*

b. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is grounded.*

c. **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*

d. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*

e. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*

f. **If operating a power tool in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply.** *Use of a GFCI reduces the risk of electric shock.*

3. **Personal safety**

a. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*

b. **Use personal protective equipment. Always wear eye protection.** *Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*

c. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.*

d. **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*

e. **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*

f. **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewelry or long hair can be caught in moving parts.*

g. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of these devices can reduce dust-related hazards.*

h. **Only use safety equipment that has been approved by an appropriate standards agency.** *Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-ap-*

proved for the specific hazards in the work area.

4. **Power tool use and care**

   a. **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*

   b. **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*

   c. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

   d. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*

   e. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*

   f. **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

   g. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

5. **Battery tool use and care**

   a. **Recharge only with the charger specified by the manufacturer.** *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*

   b. **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*

   c. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** *Shorting the battery terminals together may cause burns or a fire.*

   d. **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** *Liquid ejected from the battery may cause irritation or burns.*

6. **Service**

   a. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

(PRODUCT) Safety Warnings

1. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

2. Avoid unintentional starting. Prepare to begin work before turning on the tool.

3. Do not lay the tool down until it has come to a complete stop. Moving parts can grab the surface and pull the tool out of your control.

4. When using a handheld power tool, maintain a firm grip on the tool with both hands to resist starting torque.

5. Do not leave the tool unattended when it is plugged into an electrical outlet. Turn off the tool, and unplug it from its electrical outlet before leaving.

6. The battery charger gets hot during use. The charger's heat can build up to unsafe levels and create a fire hazard if it does not receive adequate ventilation, due to an electrical fault, or if it is used in a hot environment.
   Do not place the charger on a flammable surface. Do not obstruct any vents on the charger. **Especially avoid placing the charger on carpets and rugs; they are not only flammable, but they also obstruct vents under the charger.**
   Place the charger on a stable, solid, nonflammable surface (such as a stable metal workbench or concrete floor) at least 1 foot away from all flammable objects, such as drapes or walls. Keep a fire extinguisher and a smoke detector in the area. Frequently monitor the charger and battery during use.

7. This product is not a toy. Keep it out of reach of children.

8. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. In addition, people with pacemakers should:
   • Avoid operating alone.
   • Do not use with power switch locked on.
   • Properly maintain and inspect to avoid electrical shock.
   • Any power cord must be properly grounded. Ground Fault Circuit Interrupter (GFCI) should also be implemented – it prevents sustained electrical shock.

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
• Lead from lead-based paints
• Crystalline silica from bricks and cement or other masonry products
• Arsenic and chromium from chemically treated lumber
Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic

particles. (California Health & Safety Code § 25249.5, *et seq.*)

9. WARNING: Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, et seq.)

10. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Vibration Safety

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.

2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.

3. Wear suitable gloves to reduce the vibration effects on the user.

4. Use tools with the lowest vibration when there is a choice between different processes.

5. Include vibration-free periods each day of work.

6. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.

7. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

SAVE THESE INSTRUCTIONS

Symbology

	Double Insulated
	Canadian Standards Association
	Underwriters Laboratories, Inc.
V~	Volts Alternating Current
A	Amperes
n_0 xxxx/min.	No Load Revolutions per Minute (RPM)

SPECIFICATIONS

Battery Charger Input	120 VAC / 60 Hz
Battery Type	NiCd, 19.2 V, 1.7 Ah
Battery Charging Time	5 Hours Max.
Drill Specifications	0-350 RPM / 0-1,300 RPM; Variable Speed; Reversible; 24 Torque Settings; Pistol Grip; Squeeze Trigger

UNPACKING

When unpacking, make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

List of contents

Description	Q'ty
2-Speed Drill	1
AC/DC Charger Base	1
1/4", 3/16", 5/32", 1/8", 3/32" & 1/16" Drill Bits	6
NiCd, 19.2 V, 1.7 Ah Battery	1
1/4" and 3/16" slotted, #1 and #2 ponzi, P1 and P2 Bits	6

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠WARNING TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the tool to its "OFF" position and unplug the tool from its electrical outlet before assembling or making any adjustments to the tool.

Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

Product Features

NOTE: For additional information regarding the parts listed in the following pages, refer to the **Assembly Diagram on page 12**.

1. ⚠**WARNING!** Always make sure the Trigger of the Cordless Drill is in its **"OFF"** position, the Battery Pack (22) is removed from the Cordless Drill, and the Charger (26) is unplugged from its electrical outlet prior to making any adjustments to the tool. **(See Figure A on page 8)**

2. **Chuck (11):** Accepts up to 3/8" *shank* diameter Drill Bits (not included). To install a Drill Bit with the Cordless Drill pointed away from your body, hold the Chuck Sleeve firmly in place and turn the Chuck *clockwise*. Insert the shank of a Drill Bit all the way into the Chuck. While holding the Chuck Sleeve in place, turn the Chuck *counterclockwise* to lock the Drill Bit in place. **(See Figure A on page 8)**

3. **Trigger (19):** The Trigger is operated *manually* simply by squeezing the Trigger to turn on the Cordless Drill and releasing pressure on the Trigger to turn off the Cordless Drill. The drill will go faster the more the trigger is squeezed.
(See Figure A.)

4. **Reversing Lever (23):** The Reversing Lever Switch allows you to change the rotational direction of the Cordless Drill. To change the rotational direction, make sure the Cordless Drill is at a complete stop. For a *clockwise* rotation, move the Switch to the *right*. For a *counterclockwise* rotation, move the Switch to the *left*. **(See Figure A.)**

5. **Torque Selector Ring:** The Torque Selector Ring allows you to select up to 16 different driving torque settings, depending on the job required. To change the driving torque, make sure the Cordless Drill is at a complete stop. Then, simply turn the Torque Selector Ring to the desired setting. The drill setting is used to force the chuck not to slip and is used when drilling. **(See Figure A.)**

CHARGING INSTRUCTIONS

1. **NOTE:** The Battery Pack (22) requires charging. The first charge requires a 5 hour charge time prior to using the Cordless Drill. **(See Figure A.)**

2. When the Battery Pack (22) requires recharging, **3-5 hour** charge allows the tool to operate at full power. *Do not recharge the Battery Pack longer than 5 hours, as damage to the Battery Pack and/or Adapter (26) may occur.* Do not leave the charger unattended while charging. **(See Figure A.)**

3. Make sure the Trigger on the Cordless Drill is in its **"OFF"** position. Slide the Battery Pack (22) off of the Handle of the Cordless Drill. Next, slide the connector end of the adapter onto the Charging Socket of the Battery Pack. Then, plug the Adapter (26) into the a 120 volt, electrical outlet. **(See Figure A.)**

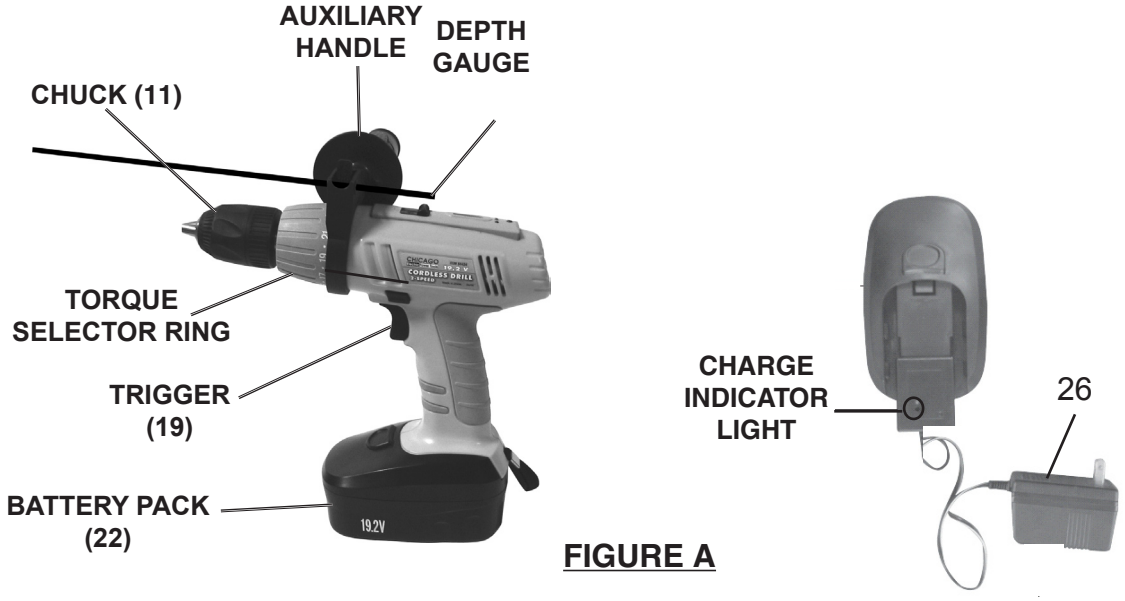


FIGURE A

4. Verify that the charging indicator light comes on. If it does not come on, check the power cord connection. Charge the Battery Pack (22) no longer that 5 hours.

5. **NOTE:** When the Battery Pack (22) is fully charged, the red indicator light will turn off due to the thermal protection in the battery.

6. Remove the battery from the charger and disconnect the charger from the electrical outlet.

7. **NOTE:** While charging, the Battery Pack (22) and Adapter (28) may become warm to the touch. This is normal, and does not indicate a problem. **(See Figure A.)**

OPERATING INSTRUCTIONS

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠WARNING TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the tool to its "OFF" position and remove the battery from the drill before performing any inspection, maintenance, or cleaning procedures.

1. If possible, install the Side Handle (21) to allow better control of the drill. If desired, insert the Depth Gauge (25) through the hole in the Side Handle. The Depth Gauge (25) allows you to drill a hole to a specific depth.

2. When installing Drill Bits, make sure the Battery Pack (22) is removed from the Cordless Drill to avoid accidental starting. Then, insert and lock in place a Drill Bit in the Chuck (11) of the Cordless Drill.

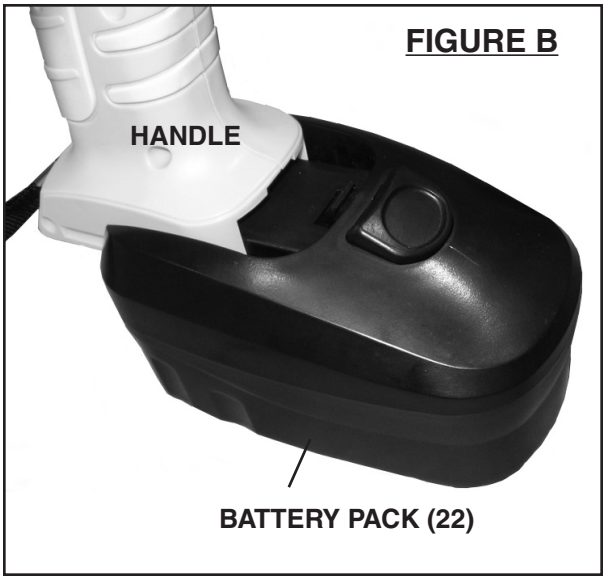
3. Whenever possible, secure the workpiece in place, using a vise or clamps (not included).

4. When drilling in light gauge metal or wood, use a wooden block to back up the material to prevent damage to the workpiece.

5. Mark the center of the hole to be drilled with a center punch to give a Drill Bit a start and to prevent it from "walking".

6. Lubricate the Drill Bit with cutting oil when drilling iron or steel. Use a coolant when drilling nonferrous metals such as copper, brass, or aluminum.

FIGURE B



7. Insert the fully charged battery Pack (22) into the Handle of the drill. (See Figure B.)

8. Make sure to hold the Cordless Drill firmly with both hands, as torque from the Motor will cause the tool to twist.

9. Observe the top of the Cordless Drill. (See Figure C.)

10. The Cordless Drill is equipped with a Level that helps the operator drill holes parallel to the floor. (See Figure C.)

11. When depressed, the Light Activator allows the Red, Yellow, and Green Lights to illuminate. (See Figure C.)

12. The Red, Yellow, and Green Lights indicate the Battery Pack's (22) charge level. All three Lights illuminated means the Battery Pack is at *full* charge. Red and Yellow Lights illuminated means the Battery Pack is *partially* charged. The Red alone illuminated means the Battery Pack is almost fully *discharged*, and requires recharging. (See Figure C.)

13. The Speed Selector can be used, while the drill is stopped to change the gear of the drill. Gear 1 is for higher torque, while gear 2 is for faster speed.

14. Turn the Cordless Drill on, using the Trigger.

15. **Do not drill into areas where you cannot identify any possible hazards such as electric wires and cables behind the drilling surface.** Drill only as deep as necessary.

16. To reduce jamming as the Drill Bit breaks through the workpiece, decrease the drilling pressure when the point of the Drill Bit breaks through the workpiece.

FIGURE C

17. When you have drilled the hole, remove the Drill Bit from the hole while the Cordless Drill is still running. This prevents the Drill Bit from getting caught in the hole and causing damage.

18. Release the Trigger to stop the Cordless Drill. Then, remove the Battery Pack (22) and Drill Bit from the Cordless Dril

MAINTENANCE AND SERVICING

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING **TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**
Turn the Power Switch of the tool to its "OFF" position and unplug the tool from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE,** inspect the general condition of the drill. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation.

2. **AFTER USE,** clean external surfaces of the tool with clean cloth.

3. (For tools with accessible carbon brushes.) **CARBON BRUSH MAINTENANCE.**
The carbon brushes may require maintenance when the motor performance of the tool decreases or stops working completely. To maintain the brushes:

a. Remove the brush cap on each side of the motor housing.

b. Remove the carbon brushes from the housing. **Keep track of which orientation the old carbon brushes were in to prevent needless wear if they will be reinstalled.**

c. If either carbon brush is worn down by more than 1/2, replace **both** carbon brushes.

d. To clean old carbon brushes before reusing them, rub the contact areas with a pencil eraser.

e. Reinsert the old carbon brushes in the same orientation to reduce wear.

f. When installing the carbon brushes, make sure the carbon portions of the carbon brushes contact the motor armature, and that the springs face away from the motor. Also, make sure the springs operate freely.

g. Replace the brush caps. Do not overtighten.

Note: New carbon brushes tend to spark when first used until they wear and conform to the motor's armature.

4. (Additional maintenance can go here.)

5. **⚠WARNING! If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.**

PARTS LIST

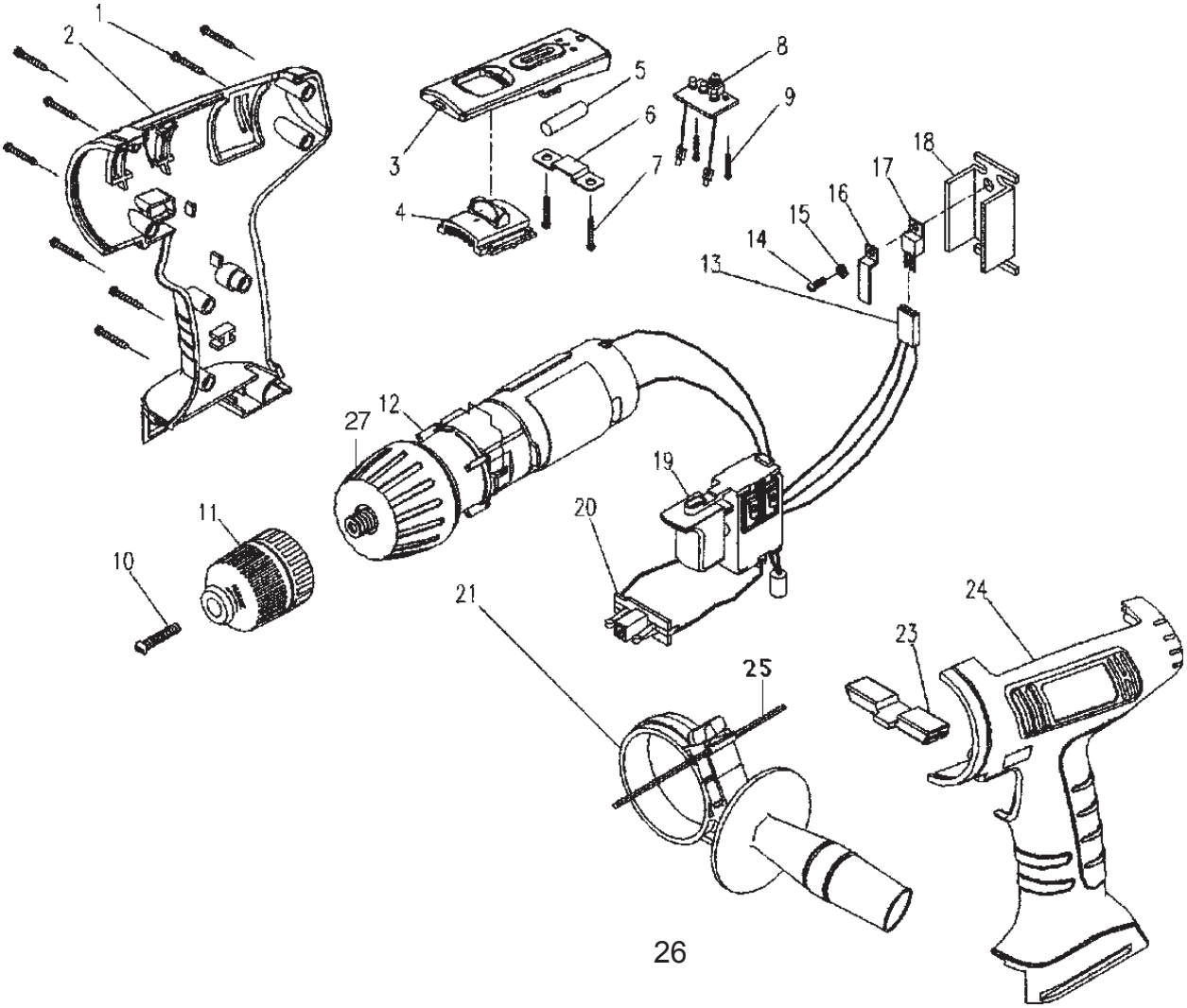
Part	Description	Qty.
1	Screw	8
2	Right Body	1
3	Plate	1
4	Speed Control	1
5	Level Tube	1
6	Level Tube Panel	1
7	Screw	2
8	Display Panel	1
9	Screw	2
10	Screw	1
11	Chuck	1
12	Gear Box	1
13	Connector	1
14	Screw	1

Part	Description	Qty.
15	Washer	1
16	Panel	1
17	Transistor	1
18	Radiator	1
19	Trigger	1
20	Battery Clamp	1
21	Side Handle	1
22	Battery Pack	1
23	Forward/Reverse Switch	1
24	Left Body	1
25	Depth Gauge	1
26	Adapter with Charging Base	1
27	Torque Selector Ring	1

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

ASSEMBLY DIAGRAM



LIMITED 90 DAY WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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Record Product's Serial Number Here:_____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.